

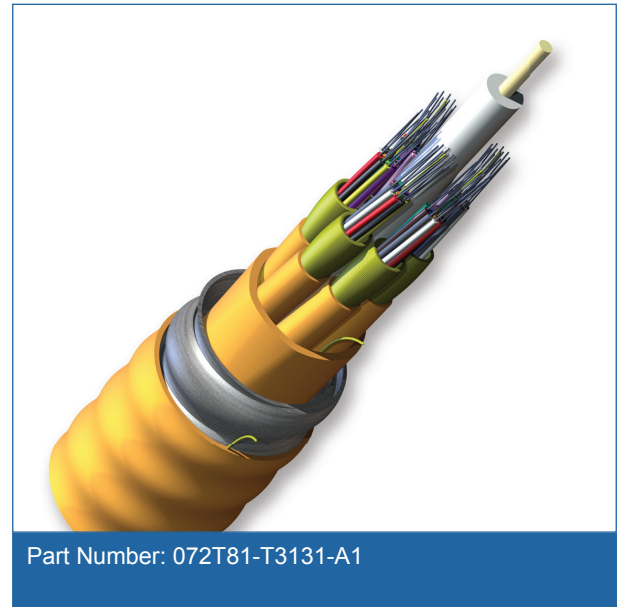
# MIC<sup>®</sup> Unitized Tight-Buffered, Interlocking Armored Cable, Riser

72 F, 50 μm multimode (OM2)

CORNING

Corning MIC<sup>®</sup> interlocking armored riser cables are designed for use in intrabuilding backbone and horizontal installations. They use individually jacketed 900 μm buffered fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into 6-, 12-, or 24-fiber jacketed subunits and surrounded by a dielectric central member. The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and up to seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.

*This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.*



## Features and Benefits

### Flexible, interlocking armor design

Seven times crush protection compared to unarmored cables

### 900 μm Buffered Fibers

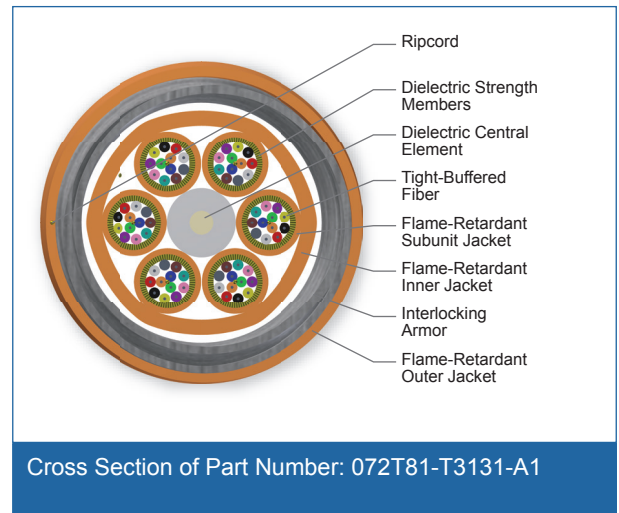
Easy, consistent stripping

### 6- or 12-fiber jacketed subunits

Quick and easy identification

### Flame-retardant jacket

Rugged and durable



## Standards

### Listings

National Electrical Code<sup>®</sup>  
(NEC<sup>®</sup>) OFCR, FT-4

### Design and Test Criteria

UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596

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## Specifications

| General Specifications |  |
|------------------------|--|
| Environment            | Indoor                                     |
| Application            | General Purpose Horizontal, Vertical Riser |
| Cable Type             | Tight-Buffered                             |
| Product Type           | Interlocking armor                         |
| Flame Rating           | Riser (OFCR)                               |
| Fiber Category         | 50 µm MM (OM2)                             |

| Temperature Range |                                    |
|-------------------|------------------------------------|
| Storage           | -40 °C to 70 °C (-40 °F to 158 °F) |
| Installation      | -10 °C to 60 °C (14 °F to 140 °F)  |
| Operation         | -20 °C to 70 °C (-4 °F to 158 °F)  |

| Cable Design  |   |
|---|---|
| Central Element                                     | Jacketed GRP  |
| Fiber Count   | 72  |
| Number of Active Tubes                              | 6   |
| Subunit Color                                       | Orange  |
| Number of Fibers per Subunit                        | 12  |
| Subunit Diameter                                    | 5.55 mm (0.22 in)   |
| Tight buffer color subunit                          | Blue, Orange, Green   |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members                                 |
| Tight Buffer Color Subunit, Layer 2                 | Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Number of Ripcords                                  | 8   |
| Outer Jacket Material                               | Flame-retardant   |
| Outer Jacket Color                                  | Orange  |

| Mechanical Characteristics Cable  |                                |
|-----------------------------------|--------------------------------|
| Max. Tensile Strength, Short-Term | 1320 N (300 lbf)               |
| Max. Tensile Strength, Long-Term  | 400 N (90 lbf)                 |
| Nominal Inner Cable Diameter      | 18.6 mm (0.73 in)              |
| Nominal Outer Diameter            | 26.2 mm (1.03 in)              |
| Weight                            | 474.1 kg/km (318.6 lb/1000 ft) |

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## Mechanical Characteristics Cable

|                               |                  |
|-------------------------------|------------------|
| Min. Bend Radius Installation | 393 mm (15.5 in) |
| Min. Bend Radius Operation    | 262 mm (10.3 in) |

## Chemical Characteristics

|      |   |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

## Fiber Specifications

### Optical Characteristics (cabled)

|   |                         |
|---|-------------------------|
| Fiber Core Diameter                     | 50 µm                   |
| Fiber Category                          | OM2                     |
| Fiber Code                              | T                       |
| Performance Option Code                 | 31                      |
| Wavelengths                             | 850 nm / 1300 nm        |
| Maximum Attenuation                     | 2.8 dB/km / 1.0 dB/km   |
| Serial 1 Gigabit Ethernet               | 750 m / 600 m           |
| Serial 10 Gigabit Ethernet              | 150 m / -               |
| Min. Overfilled Launch (OFL) Bandwidth  | 700 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 950 MHz*km / -          |

## Ordering Information

|                     |  |
|---------------------|--|
| Part Number         | 072T81-T3131-A1  |
| Product Description | MIC <sup>®</sup> Unitized Tight-Buffered, Interlocking Armored Cable, Riser, 72 F, 50 µm multimode (OM2) |
| EAN Code            | 4056418158051  |



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